REMARKS/ARGUMENTS

Claims 1-7 are pending in the application with all claims rejected; reexamination and reconsideration are hereby requested.

Claims 1 and 3-7 were rejected as unpatentable over Aguilar in view of Cuperman. The Examiner pointed to Aguilar for all claim limitations except the encoding of the alignment phase, and cited the encoded phase dispersion factor D_ϕ of Cuperman as equivalent to an alignment phase.
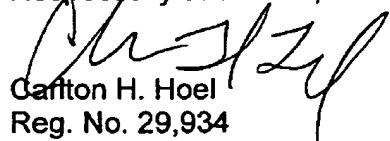
Applicants reply that the phase dispersion factor of Cuperman is not equivalent to phase alignment. In particular, Cuperman does not transmit phase information and synthesizes the phases for the sinusoid oscillators in the receiver; see page 497, left column, paragraph at lines 23-26. The phase dispersion factor controls switching between noise and the synthesized phases as phase sources for the oscillators; see page 497, left column, lines 6-9 and Figure 2. The phase dispersion factor is to disperse (decorrelate) the various phases synthesized (see page 497, right column, paragraph at lines 5-12) and not to align the synthesized phases. Consequently, the references do not suggest any of the independent claims 1, 3, and 4; and all the claims are patentable over the references.

Claim 2 was rejected as unpatentable over Aguilar in view of Cuperman and Thomson.

Applicants rely on the patentability of parent claim 1.

The amendments overcome the objections to claims 5-7.

Respectfully submitted,

Carlton H. Hoel
Reg. No. 29,934
Texas Instruments Incorporated
PO Box 655474, M/S 3999
Dallas, Texas 75265
972.917.4365